

ADAPTIVE MAIL: A FLEXIBLE EMAIL CLIENT APP

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OBJECTIVES

The email client app aims to provide a simple and efficient way to manage emails from multiple accounts. It focuses on an easy-to-use design, secure communication with features like encryption, and tools to boost productivity, such as smart email sorting and calendar integration.

- ✓ **Enhanced User Experience** : Create a user-friendly interface for seamless email management.
- ✓ **Flexibility** : Support multiple email providers (e.g., Gmail, Yahoo, Outlook) with ease of configuration.
- ✓ **Security** : Provide robust security features to protect user data and privacy.
- ✓ **Efficiency** : Optimize for quick email retrieval, sending, and searching.
- ✓ **Customization** : Allow users to personalize their email experience through themes, layouts, and notification settings

DESCRIPTION

Personalized Interface:

Adapts to user preferences for a tailored experience, Dark mode, font customization, and layout options.

Smart Inbox Management:

Automatically categorizes emails into personal, work, promotions, and updates, Prioritizes important emails based on sender or content.

AI-Powered Features:

Suggests quick replies using AI-based insights, Smart search functionality to locate emails or attachments quickly.

Cross-Platform Synchronization:

Seamless integration across devices (desktop, mobile, tablet), Real-time updates and notifications on all connected devices.

Enhanced Security:

End-to-end encryption for emails, Multi-factor authentication and anti-phishing alerts.

Integrated Task Management:

Converts emails into tasks or calendar events with a single click, Syncs with popular productivity tools like Trello, Asana, and Google Calendar.

FUNCTIONALITIES

The email client app simplifies email management with features like multi-account support to view all emails in one inbox, advanced search, and offline access. It organizes emails into categories, supports rich text formatting, and integrates with calendars for easy event management. With spam filtering and the ability to attach files from cloud storage, the app ensures a smooth and efficient email experience.

- ✓ **Multi-Account Support :**
Manage emails from multiple accounts like Gmail, Yahoo, and Outlook in one app.
- ✓ **Unified Inbox :**
View all emails from different accounts in a single, organized inbox.
- ✓ **Search Emails :**
Quickly find emails using keywords, sender names, or date filters.
- ✓ **Spam Filtering :**
Detect and block spam emails to keep the inbox clean.

ADDITIONAL REQUIREMENTS

- ✓ **Security Features :**
End-to-end encryption for sensitive emails.Two-factor authentication for login.
- ✓ **Cloud Storage Integration :**
Attach files directly from cloud platforms like Google Drive or Dropbox.
- ✓ **Accessibility :**
Support for screen readers and adaptive themes for visually impaired users.
- ✓ **Analytics Dashboard :**
Track email activity, response times, and usage trends.
- ✓ **AI-Powered Insights :**
Suggest responses, detect spam, and prioritize emails using AI.
- ✓ **Cross-Platform Sync :**
Ensure a seamless experience across devices.

Main Activity.java:

```
package com.example.emailapplication

import android.content.Context
import android.content.Intent
import android.os.Bundle
import androidx.activity.ComponentActivity
import androidx.activity.compose.setContent
import androidx.compose.foundation.Image
import androidx.compose.foundation.background
import androidx.compose.foundation.layout.*
import androidx.compose.material.*
import androidx.compose.runtime.Composable
import androidx.compose.ui.Alignment
import androidx.compose.ui.Modifier
import androidx.compose.ui.graphics.Color
import androidx.compose.ui.layout.ContentScale
import androidx.compose.ui.res.painterResource
import androidx.compose.ui.text.font.FontWeight
import androidx.compose.ui.tooling.preview.Preview
import androidx.compose.ui.unit.dp
import androidx.compose.ui.unit.sp
```

```
import androidx.core.content.ContextCompat
import androidx.core.content.ContextCompat.startActivity
import com.example.emailapplication.ui.theme.EmailApplicationTheme

class MainActivity : ComponentActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContent {
            // A surface container using the 'background' color from the theme
            Surface(
                modifier = Modifier.fillMaxSize().background(Color.White),
            ) {
                Email(this)
            }
        }
    }
}
```

@Composable

```
fun Email(context: Context) {
```

```
    Text(
```

```
        text = "Home Screen",
```

```
        modifier = Modifier.padding(top = 74.dp, start = 100.dp, bottom = 24.dp),
```

```
        color = Color.Black,
```

```
        fontWeight = FontWeight.Bold,
```

```
        fontSize = 32.sp
```

```
    )
```

```
    Column(
```

```
        horizontalAlignment = Alignment.CenterHorizontally,
```

```
        verticalArrangement = Arrangement.Center
```

```
    ) {
```

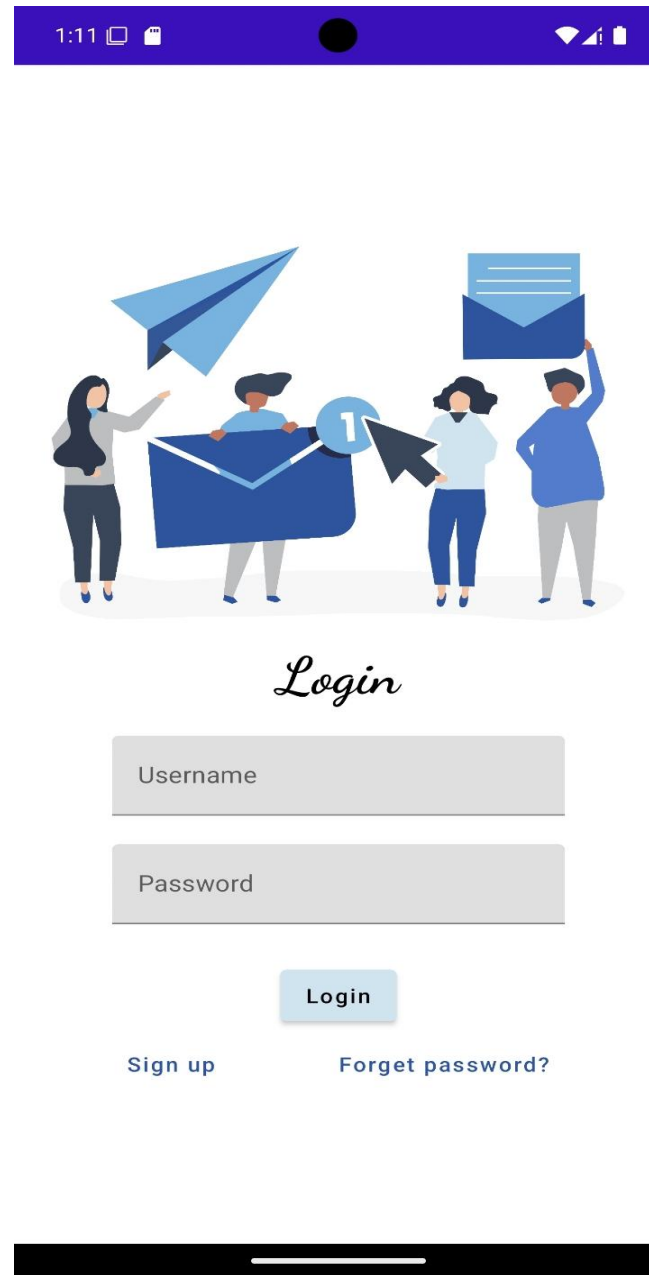
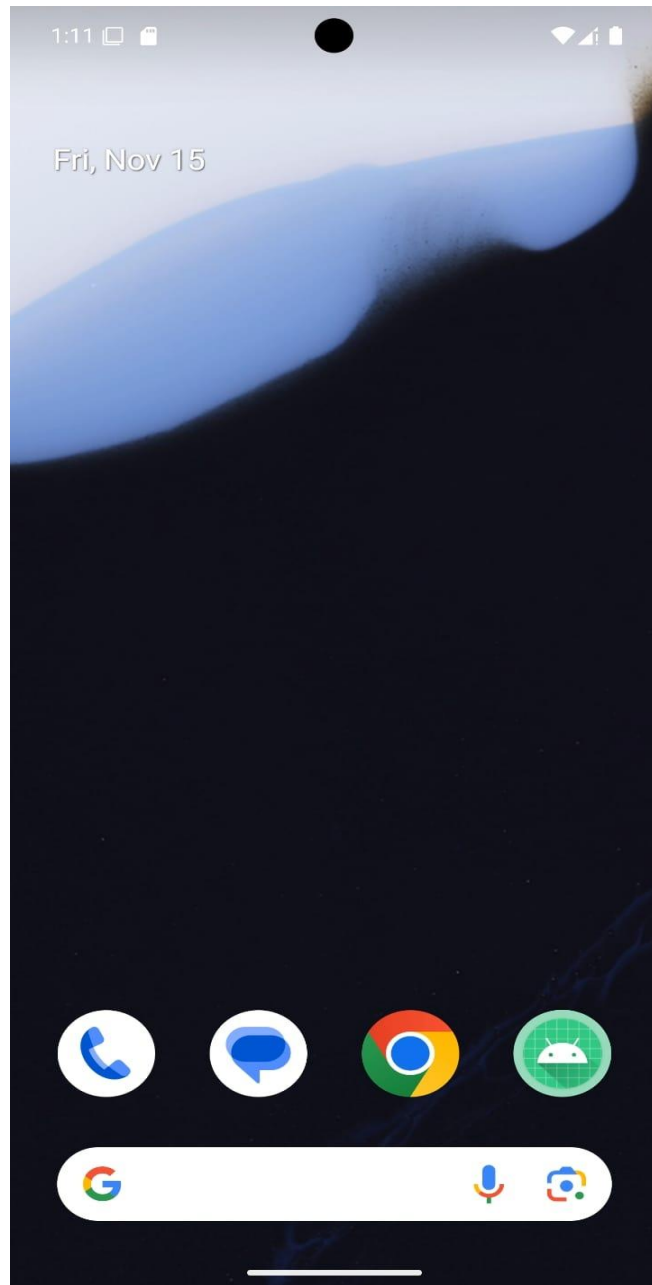
```
        Image(
```

```
            painterResource(id = R.drawable.home_screen), contentDescription = "")
```



```
)  
    )  
},  
    colors = ButtonDefaults.buttonColors(backgroundColor = Color(0xFFadbef4))  
) {  
    Text(  
        text = "Send Email",  
        modifier = Modifier.padding(10.dp),  
        color = Color.Black,  
        fontSize = 15.sp  
    )  
}  
  
Spacer(modifier = Modifier.height(20.dp))  
  
Button(onClick = {  
    context.startActivity(  
        Intent(  
            context,  
            ViewMailActivity::class.java  
        )  
    )  
},  
    ),  
},
```

```
colors = ButtonDefaults.buttonColors(backgroundColor = Color(0xFFadbef4))
){
    Text(
        text = "View Emails",
        modifier = Modifier.padding(10.dp),
        color = Color.Black,
        fontSize = 15.sp
    )
}
}
```



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Send Mail

Receiver Email-Id

Email address
sachin532211gmail.com

Mail Subject

successfully complited

✕

✓

😊


≡

Body

ello

Send Email

1:13



Login

Username
nithish

Password
.....

Login

Sign up

Forget password?

1:17

Send Mail

Receiver Email-Id

Email address
sachin532211gmail.com

Mail Subject

successfully complited

Body

ello

Send Email

